SITE INFORMATION

Report Type: Work Plan

General Site Information:						
Site:	Foster Eddy #9 (flow line)					
Company:	COG Operating LLC					
Section, Township and Range	Unit J	Sec. 17	T-17-S	R-31-E		
Lease Number:	API-30-015-26273					
County:	Eddy County					
GPS:	32.83314° N			103.88694° W		
Surface Owner:	Federal					
Mineral Owner:						
Directions:	Intersection of NM 82 and 529 travel west on 82 0.9 miles, turn right 0.9 miles, left 0.3 miles, right 0.1 miles to location on left.					

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Release Data:	
Date Released:	1/13/2012
Type Release:	Produced Fluids - Skim oil
Source of Contamination:	3" polyline ruptured
Fluid Released:	15 bbls produced water and 1 bbls of oil
Fluids Recovered:	none

Official Communication:			
Name:	Pat Ellis		Ike Tavarez
Company:	COG Operating, LLC		Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		(432) 682-4559
Fax:	(432) 684-7137		
Email:	pellis@conchoresources.com		ike.tavarez@tetratech.com

Ranking Criteria		
Depth to Groundwater:	***Ranking Score***	***Site Data***
<50 ft	20	
50-99 ft	10	
>100 ft.	***0***	***0***
WellHead Protection:	***Ranking Score***	***Site Data***
Water Source <1,000 ft., Private <200 ft.	*20*	
Water Source >1,000 ft., Private >200 ft.	***0***	***0***
Surface Body of Water:	***Ranking Score***	***Site Data***
<200 ft.	*20*	
200 ft - 1,000 ft.	10	
>1,000 ft.	***0***	***0***
Total Ranking Score:	**0**	

Acceptable Soil RRAL (mg/kg)		
Benzene	***Total BTEX***	***TPH***
10	50	5,000

TETRA TECH

March 27, 2012

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Re: Assessment and Work Plan for the COG Operating LLC., Foster Eddy #9 (Flow line), Section 17, Township 17 South, Range 31 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Foster Eddy #9 Flow line, Section 17, Township 17 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.83314°, W 103.88694°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico Oil Conservation Division (NMOCD) Form C-141 Initial Report, the leak was discovered on January 13, 2012 and released approximately fifteen (15) barrels (bbls) of produced water and one (1) bbls of oil due to a 3" polyline rupture. To alleviate the problem, COG repaired the line and returned it to service.

The spill initiated from the polyline located on high ground near a native dry arroyo/wash. The spill migrated into the bottom of the dry arroyo/wash area and flowed in two directions. The impact of the spill measured an approximate length of 130', with a width of 3' to 5' in both spill paths. The spill areas are shown on Figures 3. The initial Form C-141 is enclosed in Appendix A.

Groundwater

No water wells were reported in Section 17. One well is listed in Section 34 with a reported depth to groundwater of 271' bgs. According to the NMOCD groundwater map, the average depth to groundwater is approximately 325' below surface. The groundwater data is shown in Appendix B.

Tetra Tech
1910 North Big Spring, Midland,TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

Regulatory

A risk-based evaluation was performed for the Site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment

On February 8, 2012, Tetra Tech personnel inspected and sampled the spill area. A total of ten (10) auger holes (AH-1 through AH-10) were installed using a stainless steel hand auger to assess the impacted area. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results are summarized in Table 1. The auger hole locations are shown on Figure 3.

Analytical Results

Referring to Table 1, all of the auger holes were below the RRAL for TPH and BTEX, with the exception AH-10. Auger hole (AH-10) showed TPH concentrations of 12,800 mg/kg at 0-1' which declined below the RRAL at 1-1.5' below surface to 4,280 mg/kg. In addition, the benzene and total BTEX concentrations exceeded the RRAL in the surface soils and declined below the RRAL at 2.0' and 3.0', respectively.

A shallow chloride impact was detected at the site with the majority of the auger hole locations vertically defined. Auger holes (AH-1 through AH-6) detected elevated chlorides at 0-1', which significantly declined with depth at 1-1.5' below surface. Auger holes (AH-7 and AH-8) were not vertically defined and showed bottom hole samples of 3,460 mg/kg at 2-2.5' and 11,600 mg/kg at 1-1.5', respectively. AH-9 and AH-10 showed a deeper impact to the soil but were vertically defined.

Work Plan

COG proposes to remove the impacted material as highlighted (green) in Table 1 and shown on Figure 4. The areas of AH-1 through AH-6 will be excavated to an approximate depth of 1.0' below surface to remove the elevated chloride concentrations. The area of AH-10 will be excavated to an approximate depth of 2.0' below surface to remove the soils exceeding the RRAL for BTEX and TPH.

If accessible, the areas of AH-7, AH-8 and AH-9 will be excavated to an approximate depth 3.0' below surface. In addition, backhoe trenches will be installed in the areas of AH-7 and AH-8 to attempt to vertically define chloride impact, if accessible. Once completed, the areas will be backfilled or capped with clay material. Due to depth to groundwater and limited extents, the remaining impact does not appear to an environmental concern.

Once excavated to the appropriate depths, the excavated material will be transported to proper disposal. Due to the limited access issues within the arroyo/wash area, the proposed excavation depths may not be reached due to wall cave ins and safety concerns for onsite personnel. As such, Tetra Tech will excavate the soils to the maximum extent practicable. If deeper impact is encountered, the impacted area will be capped with clay.

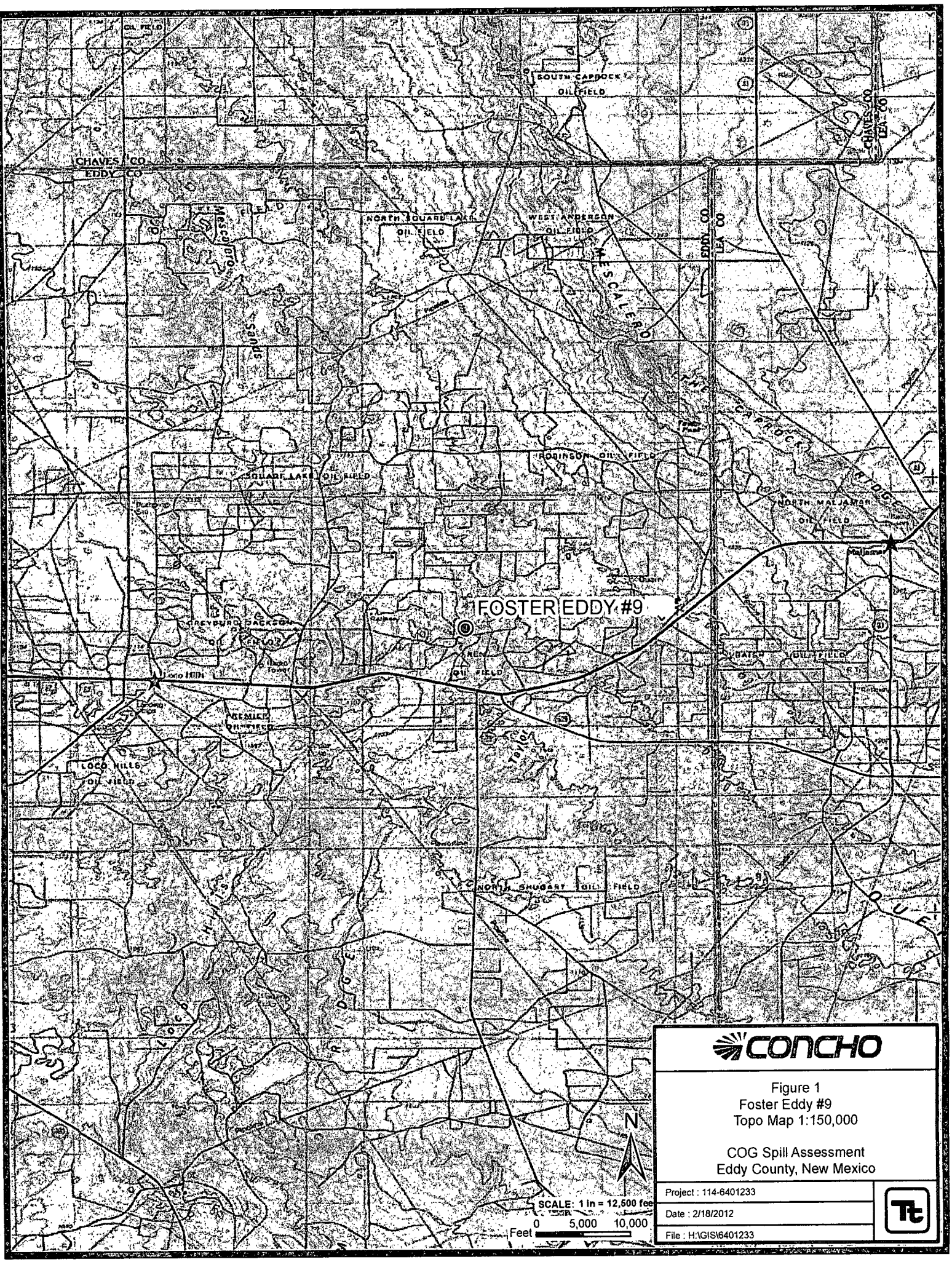
Upon completion, a final report will be submitted to the NMOCD and BLM. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez
Senior Project Manager

cc: Pat Ellis – COG
cc: Terry Gregston - BLM

Figures



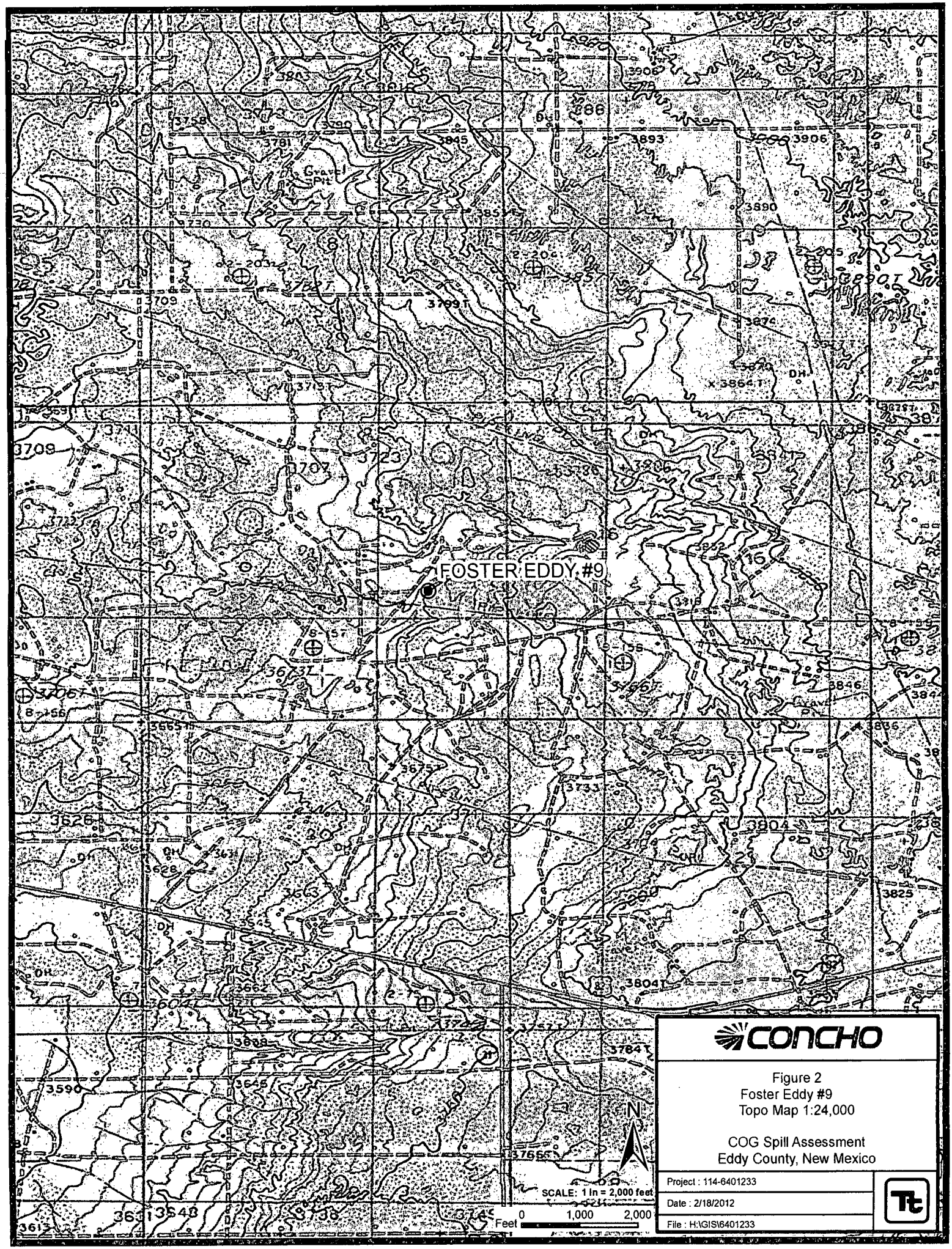
CONCHO

Figure 1
Foster Eddy #9
Topo Map 1:150,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401233	
Date : 2/18/2012	
File : H:\GIS\6401233	

Drawn By: Isabel Marmolejo



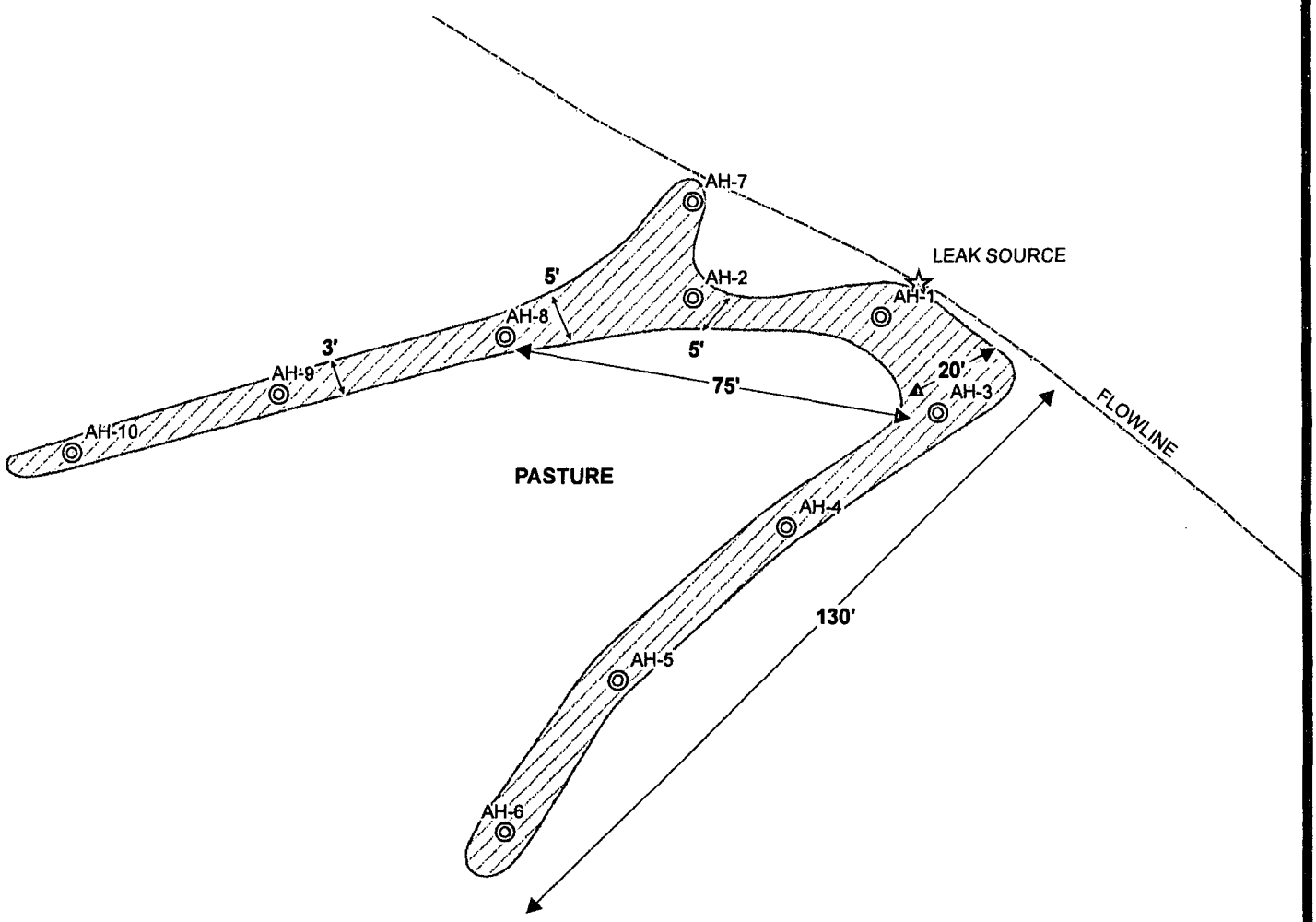
CONCHO

Figure 2
Foster Eddy #9
Topo Map 1:24,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401233	
Date : 2/18/2012	
File : H:\GIS\6401233	

Drawn By: Isabel Marmolejo



EXPLANATION

- ☆ LEAK SOURCE
- ◎ AUGER HOLE SAMPLE LOCATIONS
- ---- FLOWLINE
- SPILL AREA

N

SCALE: 1 IN = 33 FEET

Feet 0 20 40

CONCHO

Figure 3

Foster Eddy #9
Spill Assessment Map

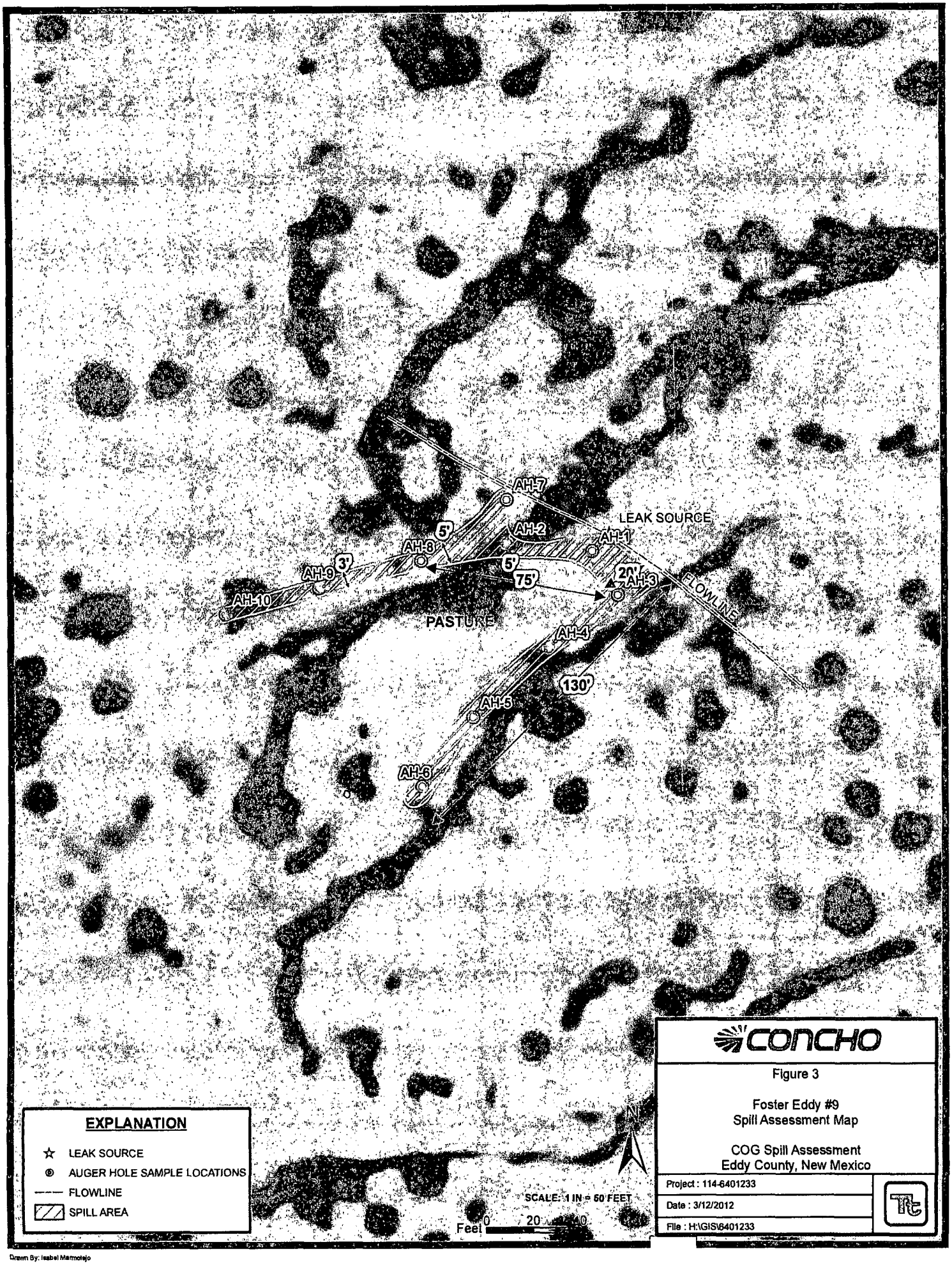
COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401233

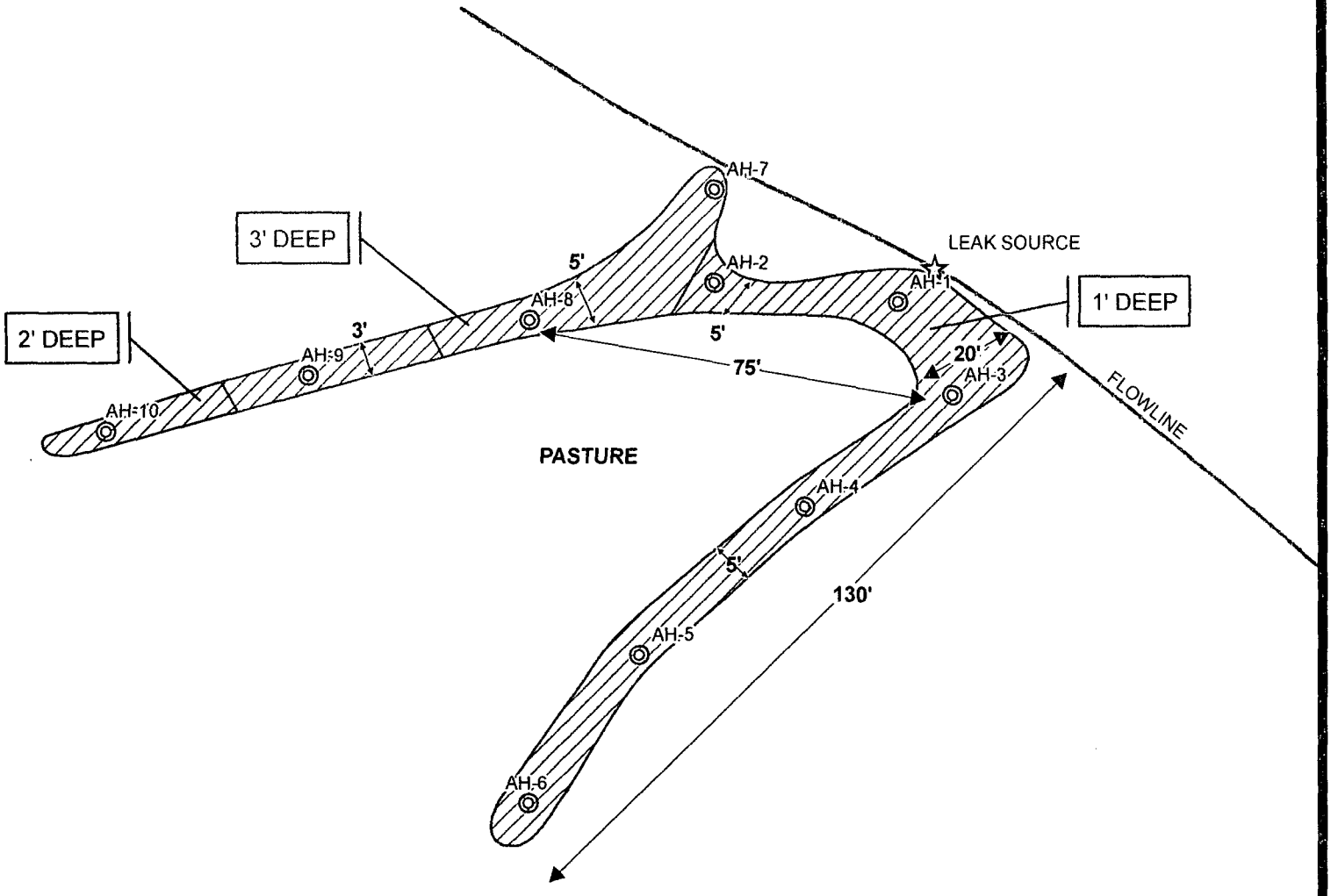
Date : 3/12/2012

File : H:\GIS\6401233

Drawn By: Isabel Marmolejo



Drawn By: Isabel Marmolejo



EXPLANATION

- ☆ LEAK SOURCE
- ◎ AUGER HOLE SAMPLE LOCATIONS
- FLOWLINE
- PROPOSED EXCAVATION AREA

N

SCALE: 1 IN = 33 FEET

Feet 0 20 40

CONCHO

Figure 4

Foster Eddy #9
Proposed Excavation Areas & Depths Map

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401233	
Date : 3/12/2012	
File : H:\GIS\6401233	

Tables

Table 1
COG Operating LLC.
Foster Eddy #9
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	Total						
AH-1	2/8/2012	0-1	X		<2.00	132	132	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	4,450
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5	X		-	-	-	-	-	-	-	-	328
	"	3-3.5	X		-	-	-	-	-	-	-	-	<200
	"	4-4.5	X		-	-	-	-	-	-	-	-	671
	"	5-5.5	X		-	-	-	-	-	-	-	-	<200
AH-2	2/8/2012	0-1	X		4.20	98.7	103	-	-	-	-	-	2,060
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5	X		-	-	-	-	-	-	-	-	<200
	"	4-4.5	X		-	-	-	-	-	-	-	-	<200
AH-3	2/8/2012	0-1	X		10.1	104	114	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	9,220
	"	1-1.5	X		-	-	-	-	-	-	-	-	1,260
	"	2-2.5	X		-	-	-	-	-	-	-	-	413
	"	3-3.5	X		-	-	-	-	-	-	-	-	<200
	"	4-4.5	X		-	-	-	-	-	-	-	-	<200
	"	5-5.5	X		-	-	-	-	-	-	-	-	372
	"	6-6.5	X		-	-	-	-	-	-	-	-	815
	"	7-7.5	X		-	-	-	-	-	-	-	-	627
	"	8-8.5	X		-	-	-	-	-	-	-	-	790
	"	9-9.5	X		-	-	-	-	-	-	-	-	926

Table 1
COG Operating LLC.
Foster Eddy #9
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	Total						
AH-4	2/8/2012	0-1	X		14.9	407	422	<0.100	<0.100	<0.100	0.251	0.251	4,980
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5	X		-	-	-	-	-	-	-	-	<200
	"	4-4.5	X		-	-	-	-	-	-	-	-	<200
AH-5	2/8/2012	0-1	X		<2.00	<50.0	<50.0	-	-	-	-	-	2,440
	"	1-1.5	X		-	-	-	-	-	-	-	-	350
AH-6	2/8/2012	0-1	X		<2.00	<50.0	<50.0	-	-	-	-	-	2,890
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200
AH-7	2/8/2012	0-1	X		263	1,720	1,983	<0.200	<0.200	2.04	4.08	6.12	7,060
	"	1-1.5	X		-	-	-	-	-	-	-	-	11,300
	"	2-2.5	X		-	-	-	-	-	-	-	-	3,460
AH-8	2/8/2012	0-1	X		<2.00	117	117	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	7,550
	"	1-1.5	X		-	-	-	-	-	-	-	-	11,600

Table 1
COG Operating LLC.
Foster Eddy #9
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	Total						
AH-9	2/8/2012	0-1	X		<2.00	108	108	-	-	-	-	-	5,910
	"	1-1.5	X		-	-	-	-	-	-	-	-	6,030
	"	2-2.5	X		-	-	-	-	-	-	-	-	3,730
	"	3-3.5	X		-	-	-	-	-	-	-	-	1,540
	"	4-4.5	X		-	-	-	-	-	-	-	-	2,230
	"	5-5.5	X		-	-	-	-	-	-	-	-	2,730
	"	6-6.5	X		-	-	-	-	-	-	-	-	1,830
	"	7-7.5	X		-	-	-	-	-	-	-	-	<200
	"	8-8.5	X		-	-	-	-	-	-	-	-	<200
	"	9-9.5	X		-	-	-	-	-	-	-	-	<200
AH-10	2/8/2012	0-1	X		4,050	8,750	12,800	23.0	152	115	137	427	4,940
	"	1-1.5	X		1,500	2,780	4,280	12.4	66.4	45.8	54.2	179	4,090
	"	2-2.5	X		-	-	-	0.642	14.7	20.5	27.0	62.8	1,390
	"	3-3.5	X		-	-	-	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	4-4.5	X		-	-	-	-	-	-	-	-	<200
	"	5-5.5	X		-	-	-	-	-	-	-	-	<200
	"	6-6.5	X		-	-	-	-	-	-	-	-	<200
	"	7-7.5	X		-	-	-	-	-	-	-	-	<200
	"	8-8.5	X		-	-	-	-	-	-	-	-	<200
	"	9-9.5	X		-	-	-	-	-	-	-	-	<200

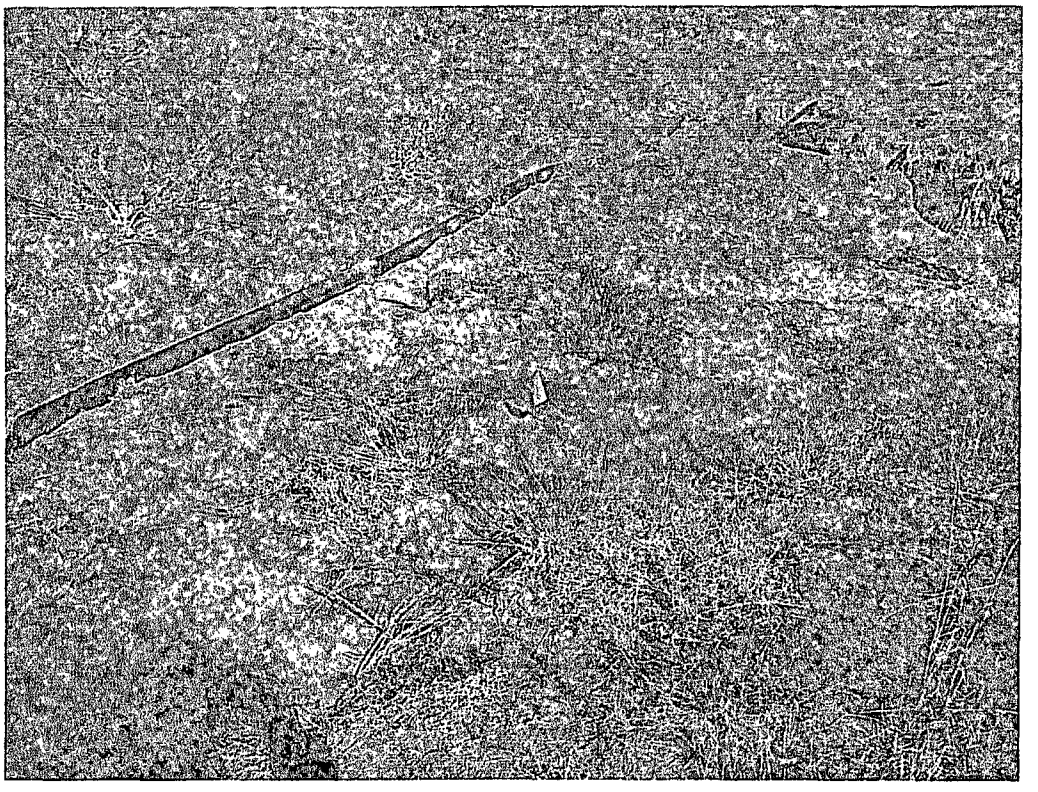
(-) Not Analyzed

Proposed Excavation Depth

Photos

COG Operating LLC
Foster Eddy #9
Eddy County, New Mexico
Drilling Date: February 8, 2012

TETRA TECH

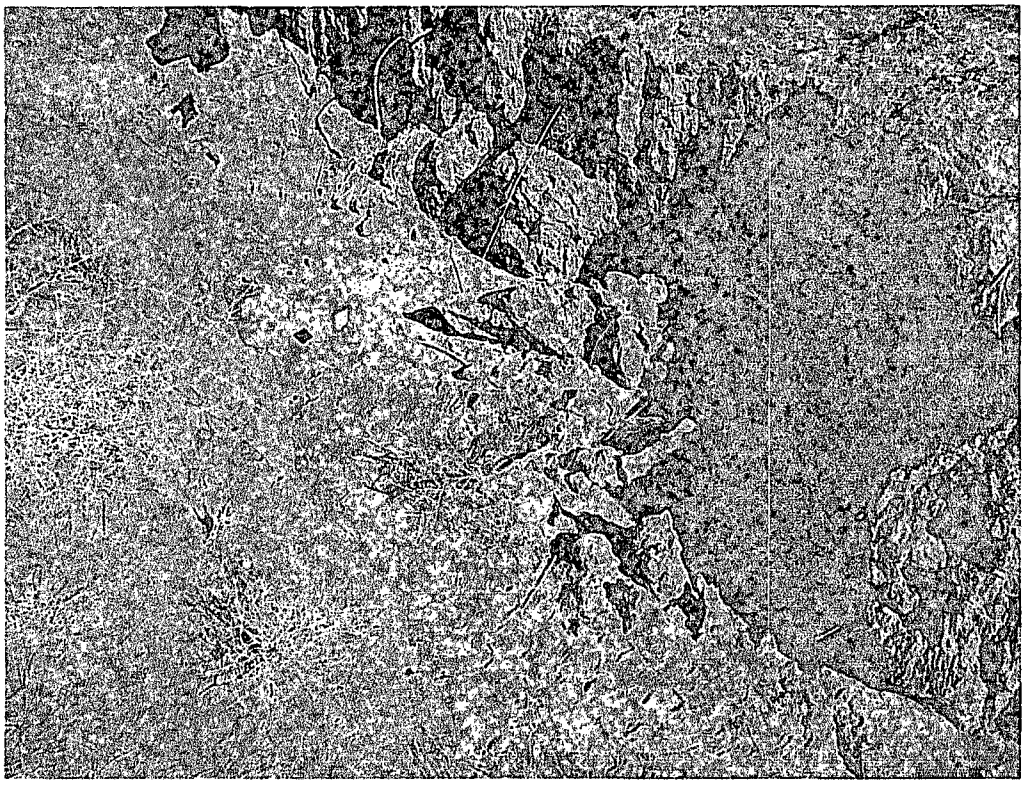


View north east near source and AH-1

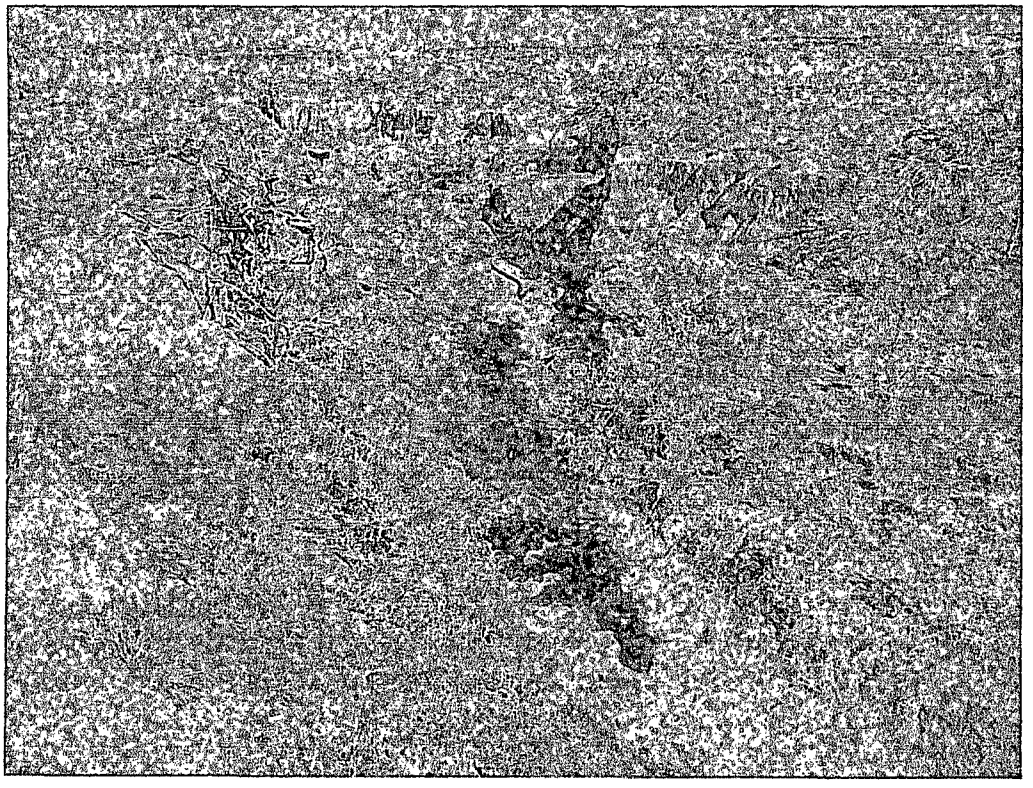
View south west along arroyo/wash near AH-4

COG Operating LLC
Foster Eddy #9
Eddy County, New Mexico
Drilling Date: February 8, 2012

TETRA TECH



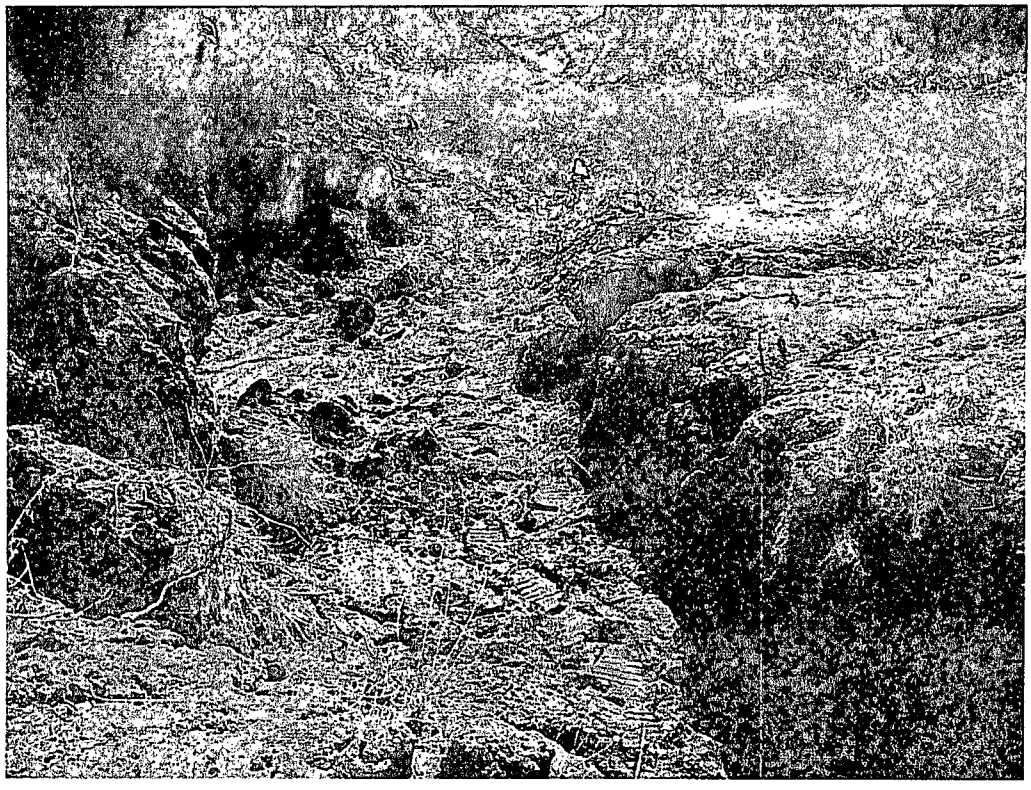
View of arroyo/wash



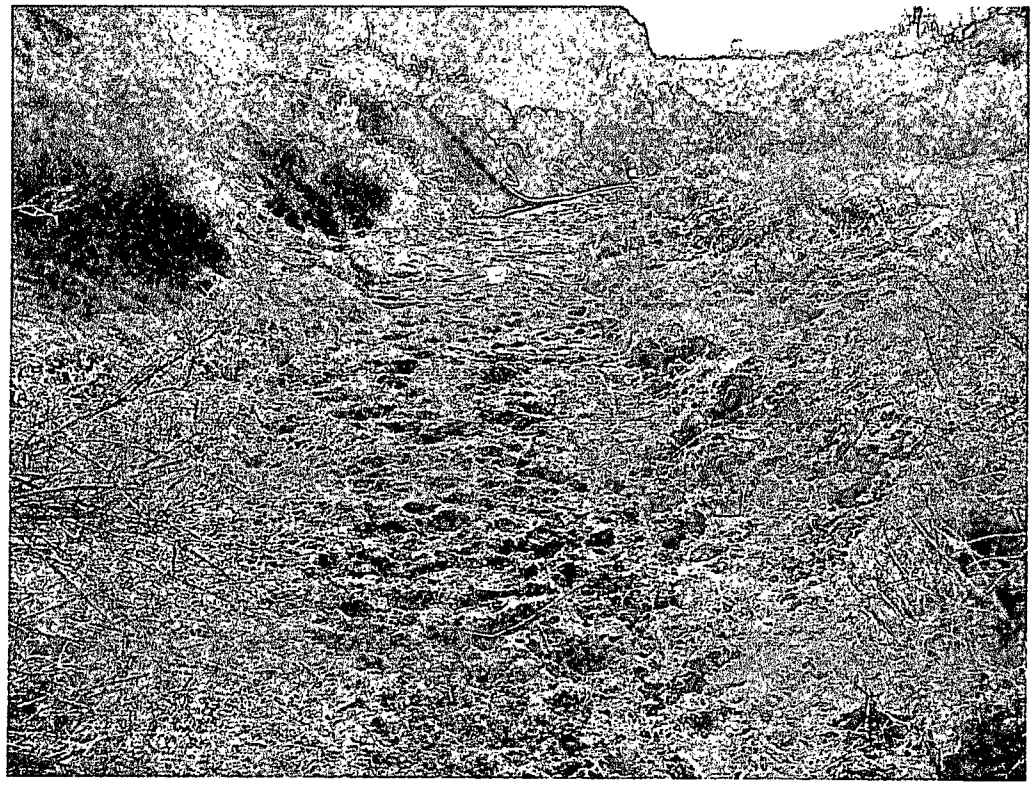
View north east – edge of spill path near AH-10

COG Operating LLC
Foster Eddy #9
Eddy County, New Mexico
Drilling Date: February 8, 2012

TETRA TECH



View of arroyo/wash

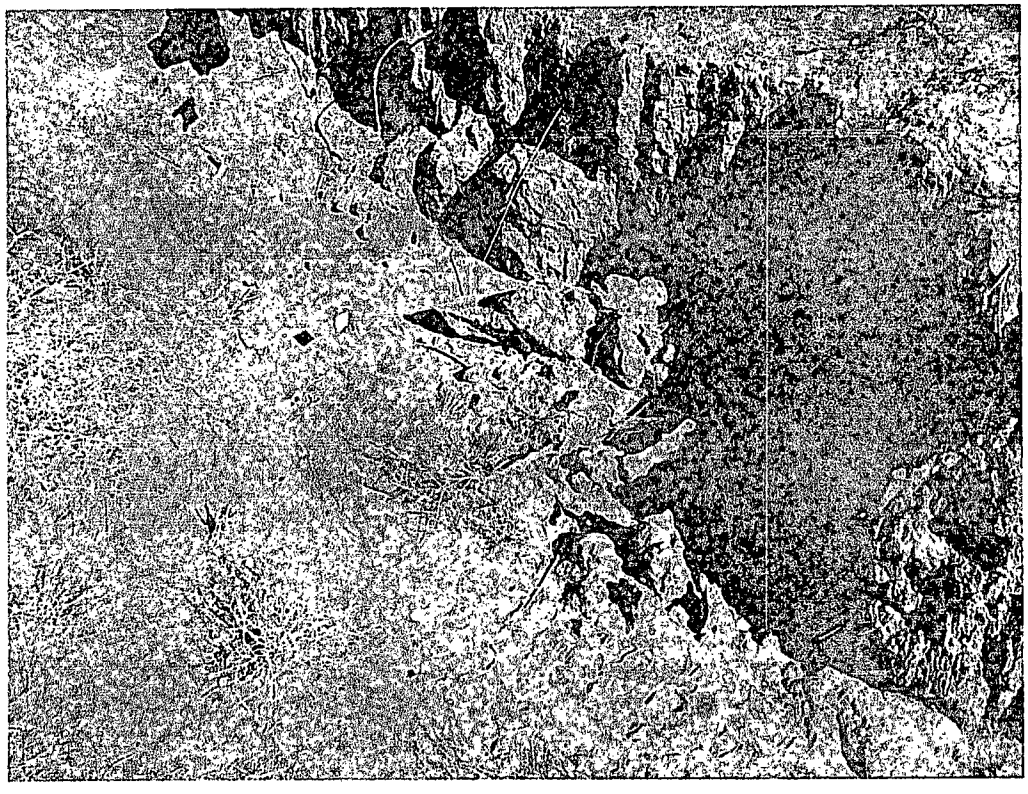


View of arroyo/wash

COG Operating LLC
Foster Eddy #9
Eddy County, New Mexico
Drilling Date: February 8, 2012

TETRA TECH

View of arroyo/wash



View of Arroyo/Wash

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
MAY 21 2012
NMOCD ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	Foster Eddy #9	Facility Type	Flowline

Surface Owner Federal	Mineral Owner	Lease No. (API#) 30-015-26273

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	17	17S	31E					Eddy

Latitude 32 49.990 Longitude 103 53.261

NATURE OF RELEASE

Type of Release Produced water Skim oil	Volume of Release 15bbls pw 1bbl oil	Volume Recovered none recovered
Source of Release 3" poly line ruptured	Date and Hour of Occurrence 01/13/2012	Date and Hour of Discovery 01/13/2012 12:00 p.m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A 3" poly line ruptured. The line has been repaired and returned to service.

Describe Area Affected and Cleanup Action Taken.*

Initially 16bbls of produced fluid was released from the ruptured poly line and due to the nature of the release we were unable to recover any fluid. The fluid travels along two paths measuring 4' x 60' and 4' x 15'. The fluid took the path of least resistance and streamed into low lying areas and pathways. Tetra Tech will sample the spill areas to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD/BLM for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Josh Russo	Approved by District Supervisor:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval:	Attached ☐
Date: 01/27/2012 Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
COG - Foster Eddy #9 (Flowline)
Eddy County, New Mexico

16 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **288**
18	17	16	15	14	13 **113**
19	20	21	22	23	24
30	29	28	27	26	25
31 **290**	32	33	34	35	36

16 South 32 East

6	5	4	3 **65**	2 **265**	1 **265**
7	8	9	10	11	12 **215**
18	17	16 **221**	15	14	13 **215**
19 **220**	20	21 **210**	22	23 **210**	24
30	29	28	27	26 **243**	25
31	32	33	34	35	36 **260**

17 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17 **SITE**	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34 **271**	35	36

17 South 32 East

6	5	4 **82**	3 **175**	2 **60**	1 **225**
7	8	9	10	11 **70** **88**	12
18	17	16	15	14	13
19	20	21	22	23	24
30 180 dry	29	28	27	26	25
31	32	33	34	35	36

18 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **400**
18	17	16	15	14 **317**	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 **261**	36

18 South 32 East

6	5	4 **65**	3	2	1
7 **460** **82**	8	9	10	11	12
18	17	16 **84**	15	14	13
19	20 **164**	21	22 **429**	23	24
30	29	28	27	26	25
31	32	33	34 **117**	35	36

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data
- Field water level
- New Mexico Water and Infrastructure Data System
- SITE - Foster Eddy #9

Appendix C

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: February 22, 2012

Work Order: 12021022

Project Location: Eddy Co., NM
Project Name: COG/Foster Eddy #9
Project Number: 114-6401233

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
288783	AH-1 0-1'	soil	2012-02-08	00:00	2012-02-10
288784	AH-1 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288785	AH-1 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288786	AH-1 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288787	AH-1 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288788	AH-1 5-5.5'	soil	2012-02-08	00:00	2012-02-10
288789	AH-2 0-1'	soil	2012-02-08	00:00	2012-02-10
288790	AH-2 1.-1.5'	soil	2012-02-08	00:00	2012-02-10
288791	AH-2 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288792	AH-2 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288793	AH-2 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288794	AH-3 0-1'	soil	2012-02-08	00:00	2012-02-10
288795	AH-3 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288796	AH-3 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288797	AH-3 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288798	AH-3 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288799	AH-3 5-5.5'	soil	2012-02-08	00:00	2012-02-10
288800	AH-3 6-6.5'	soil	2012-02-08	00:00	2012-02-10
288801	AH-3 7-7.5'	soil	2012-02-08	00:00	2012-02-10
288802	AH-3 8-8.5'	soil	2012-02-08	00:00	2012-02-10
288803	AH-3 9-9.5'	soil	2012-02-08	00:00	2012-02-10
288804	AH-4 0-1'	soil	2012-02-08	00:00	2012-02-10
288805	AH-4 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288806	AH-4 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288807	AH-4 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288808	AH-4 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288809	AH-5 0-1'	soil	2012-02-08	00:00	2012-02-10
288810	AH-5 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288811	AH-6 0-1'	soil	2012-02-08	00:00	2012-02-10
288812	AH-6 1-1.5'	soil	2012-02-08	00:00	2012-02-10

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
288813	AH-7 0-1'	soil	2012-02-08	00:00	2012-02-10
288814	AH-7 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288815	AH-7 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288816	AH-8 0-1'	soil	2012-02-08	00:00	2012-02-10
288817	AH-8 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288818	AH-9 0-1'	soil	2012-02-08	00:00	2012-02-10
288819	AH-9 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288820	AH-9 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288821	AH-9 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288822	AH-9 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288823	AH-9 5-5.5'	soil	2012-02-08	00:00	2012-02-10
288824	AH-9 6-6.5'	soil	2012-02-08	00:00	2012-02-10
288825	AH-9 7-7.5'	soil	2012-02-08	00:00	2012-02-10
288826	AH-9 8-8.5'	soil	2012-02-08	00:00	2012-02-10
288827	AH-9 9-9.5'	soil	2012-02-08	00:00	2012-02-10
288828	AH-10 0-1'	soil	2012-02-08	00:00	2012-02-10
288829	AH-10 1-1.5'	soil	2012-02-08	00:00	2012-02-10
288830	AH-10 2-2.5'	soil	2012-02-08	00:00	2012-02-10
288831	AH-10 3-3.5'	soil	2012-02-08	00:00	2012-02-10
288832	AH-10 4-4.5'	soil	2012-02-08	00:00	2012-02-10
288833	AH-10 5-5.5'	soil	2012-02-08	00:00	2012-02-10
288834	AH-10 6-6.5'	soil	2012-02-08	00:00	2012-02-10
288835	AH-10 7-7.5'	soil	2012-02-08	00:00	2012-02-10
288836	AH-10 8-8.5'	soil	2012-02-08	00:00	2012-02-10
288837	AH-10 9-9.5'	soil	2012-02-08	00:00	2012-02-10
288872	AH-5 2-2.5'	soil	2012-02-08	00:00	2012-02-10

Sample - Field Code	BTEX Benzene (mg/Kg)	BTEX Toluene (mg/Kg)	BTEX Ethylbenzene (mg/Kg)	BTEX Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
288783 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**132**	<2.00
288789 - AH-2 0-1'					**98.7**	**4.20**
288794 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**104** Qs	**10.1**
288804 - AH-4 0-1'	<0.100	<0.100	<0.100	**0.251**	**407** Qs	**14.9**
288809 - AH-5 0-1'					<50.0	<2.00
288811 - AH-6 0-1'					<50.0	<2.00
288813 - AH-7 0-1'	<0.200	<0.200	**2.04**	**4.08**	**1720**	**263**
288816 - AH-8 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**117** Qs	<2.00
288818 - AH-9 0-1'					**108** Qs	<2.00
288828 - AH-10 0-1'	**23.0**	**152**	**115**	**137**	**8750**	**4050**
288829 - AH-10 1-1.5'	**12.4**	**66.4** Je	**45.8** Je	**54.2**	**2780** Qs	**1500**
288830 - AH-10 2-2.5'	**0.642**	**14.7**	**20.5**	**27.0**		
288831 - AH-10 3-3.5'	<0.0200	<0.0200	<0.0200	<0.0200		

Sample: 288783 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**4450**	mg/Kg	4

Sample: 288784 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288785 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**328**	mg/Kg	4

Sample: 288786 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288787 - AH-1 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**671**	mg/Kg	4

Sample: 288788 - AH-1 5-5.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288789 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**2060**	mg/Kg	4

Sample: 288790 - AH-2 1.-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288791 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288792 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288793 - AH-2 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288794 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**9220**	mg/Kg	4

Sample: 288795 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1260**	mg/Kg	4

Sample: 288796 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**413**	mg/Kg	4

Sample: 288797 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288798 - AH-3 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288799 - AH-3 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**372**	mg/Kg	4

Sample: 288800 - AH-3 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**815**	mg/Kg	4

Sample: 288801 - AH-3 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**627**	mg/Kg	4

Sample: 288802 - AH-3 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**790**	mg/Kg	4

Sample: 288803 - AH-3 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**926**	mg/Kg	4

Sample: 288804 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**4980**	mg/Kg	4

Sample: 288805 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288806 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288807 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288808 - AH-4 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288809 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**2440**	mg/Kg	4

Sample: 288810 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**350**	mg/Kg	4

Sample: 288811 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		**2890**	mg/Kg	4

Sample: 288812 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288813 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		**7060**	mg/Kg	4

Sample: 288814 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**11300**	mg/Kg	4

Sample: 288815 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3460**	mg/Kg	4

Sample: 288816 - AH-8 0-1'

Param	Flag	Result	Units	RL
Chloride		**7550**	mg/Kg	4

Sample: 288817 - AH-8 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**11600**	mg/Kg	4

Sample: 288818 - AH-9 0-1'

Param	Flag	Result	Units	RL
Chloride		**5910**	mg/Kg	4

Sample: 288819 - AH-9 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**6030**	mg/Kg	4

Sample: 288820 - AH-9 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3730**	mg/Kg	4

Sample: 288821 - AH-9 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1540**	mg/Kg	4

Sample: 288822 - AH-9 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**2230**	mg/Kg	4

Sample: 288823 - AH-9 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**2730**	mg/Kg	4

Sample: 288824 - AH-9 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**1830**	mg/Kg	4

Sample: 288825 - AH-9 7-7.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288826 - AH-9 8-8.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288827 - AH-9 9-9.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288828 - AH-10 0-1'

Param	Flag	Result	Units	RL
Chloride		**4940**	mg/Kg	4

Sample: 288829 - AH-10 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**4090**	mg/Kg	4

Sample: 288830 - AH-10 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**1390**	mg/Kg	4

Sample: 288831 - AH-10 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288832 - AH-10 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288833 - AH-10 5-5.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288834 - AH-10 6-6.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288835 - AH-10 7-7.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288836 - AH-10 8-8.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288837 - AH-10 9-9.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 288872 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4